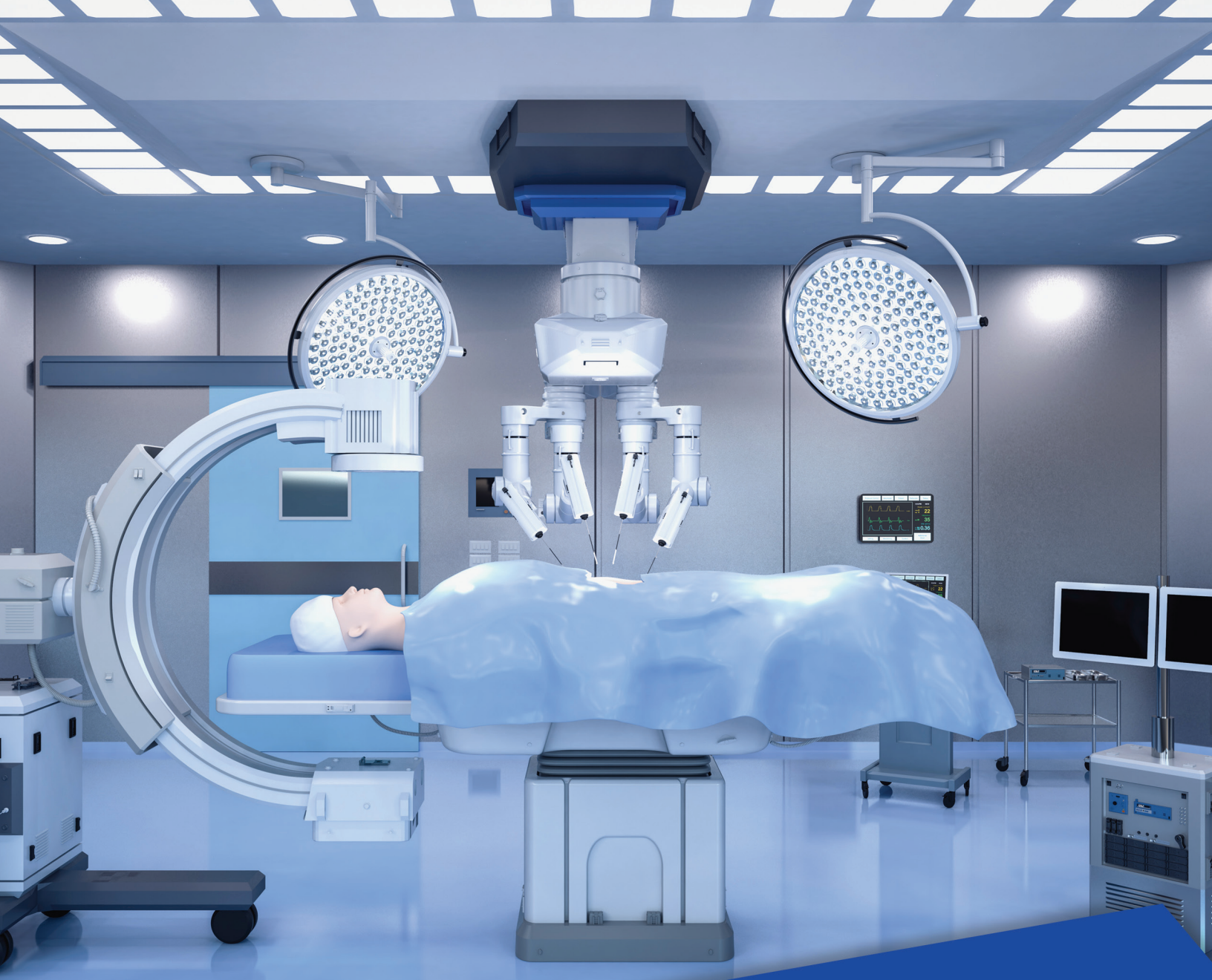




TDK-Lambda Healthcare Products

TRUSTED • INNOVATIVE • RELIABLE

Company Overview

TDK-Lambda is one of the oldest and most trusted manufacturers of high quality medical power supply solutions. We offer a broad product line with over 6,000 models to choose from. Backed by industry-leading warranties, our motivation is our customer's complete satisfaction.



Product Offering & Attributes

- ◆ Wide range of products
- ◆ Standard and modified power solutions
- ◆ AC-DC power supplies + line filters + DC-DC converters
- ◆ Products suitable for B & BF equipment
- ◆ Medical approvals as standard
- ◆ Long-life products
- ◆ Low cost of ownership
- ◆ Medical products manufactured in ISO13485 approved factories

Organization

- ◆ Founded in 1948; offering long term financial stability
- ◆ Worldwide recognition as a leader in high quality
- ◆ Outstanding customer support
- ◆ International organization with local presence & support
- ◆ Local design capability
- ◆ Experts in medical power supply solutions
- ◆ Preferred supplier for Tier 1 health care companies
- ◆ Local inventory / local buffer

Healthcare Sub-Segments

Medical



- ◆ Ventilator
- ◆ Dialysis Equipment
- ◆ Ophthalmology Devices
- ◆ Patient Monitoring
- ◆ Patient Therapy
- ◆ Surgical & Ablation Systems
- ◆ Medical Beds
- ◆ Surgical Lasers
- ◆ Neonatal Care
- ◆ Electrocardiographs
- ◆ Anesthesia Devices

Life Sciences



- ◆ Microbiology
- ◆ Electron Microscopes
- ◆ Chemical Analysis Equipment
- ◆ Lab Process Automation
- ◆ Immunoassay Systems
- ◆ Mass Analyzers
- ◆ In-vitro Diagnostics
- ◆ Sterilization
- ◆ Clinical Chemistry
- ◆ Centrifuges
- ◆ PCRs
- ◆ Osmometers

Imaging



- ◆ X-Ray Machines
- ◆ Ultrasound Scanners
- ◆ Nuclear Medicine
- ◆ Positron Emission Tomography (PET)
- ◆ Computed Tomography (CT) Scan
- ◆ Magnetic Resonance Imaging (MRI)

Dental



- ◆ CAD/CAM Systems
- ◆ Oral Care Equipment
- ◆ X-Ray Machines
- ◆ Gamma Imaging Systems
- ◆ Digital Radiography

AC/DC Power Supplies



Product Series	Description	Output Power (W)	Outputs	Output Voltages (VDC)	Dimensions (Inches)	Protection Class	B / BF Compliant	Cooling
KMS15	Enclosed - PCB Mount	9.9 - 15	1	3.3, 5, 9, 12, 15, 24	2.52 x 1.79 x 0.92"	Class II	N/A	Convection
KMD15	Enclosed - PCB Mount	15	2	±5, 5/12, 5/24, ±12, ±15	2.52 x 1.79 x 0.92"	Class II	N/A	Convection
KMT15	Enclosed - PCB Mount	15	3	5 ±12, 5 ±15	2.52 x 1.79 x 0.92"	Class II	N/A	Convection
KMS40	Enclosed - PCB Mount	26.4 - 40	1	3.3, 5, 9, 12, 15, 24	3.5 x 2.5 x 1.06"	Class II	N/A	Convection
KMD40	Enclosed - PCB Mount	40	2	±5, 5/12, 5/24, ±12, ±15	3.5 x 2.5 x 1.06"	Class II	N/A	Convection
KMT40	Enclosed - PCB Mount	40	3	5 ±12, 5 ±15	3.5 x 2.5 x 1.06"	Class II	N/A	Convection
KMS15A	Enclosed - PCB Mount	15	1	5, 9, 12, 15, 24	2.07 x 1.08 x 0.93"	Class II	N/A	Convection
KMS30A	Enclosed - PCB Mount	25 - 30	1	5, 12, 15, 24	2.52 x 1.77 x 0.93"	Class II	N/A	Convection
KMS60A	Enclosed - PCB Mount	51 - 60	1	5.1, 9, 12, 15, 24	3.5 x 2.5 x 1.06"	Class II	N/A	Convection
CUT35	Open-frame	35	2, 3	5, ±12, ±15, 24, 30	2 x 4 x 1.1"	Class I	B	Convection
CUS30M	Open-frame	30	1	12, 24, 48	2 x 3 x 0.95"	Class I, Class II	BF	Convection
CUS60M	Open-frame	60	1	5, 12, 15, 18, 24, 48	2 x 3 x 1.05"	Class I, Class II	BF	Convection
GXE600	U-frame, Enclosed	600	1	24, 48	5 x 10 x 1.61"	Class I	No	Convection
HWS/ME	U-frame, Enclosed (end fan)	30 - 1,500	1	3.3, 5, 6, 7.5, 12, 15, 24, 36, 48, 60	4.98 x 11.02 x 3.32"	Class I	No	Convection / Forced air
CUS100ME	Open-frame	100	1	12, 15, 18, 24, 28, 36, 48	2 x 4 x 1.24"	Class I, Class II	B/BF	Convection / Forced air
CUS150M	Open-frame	120 - 150	1	12, 15, 18, 24, 28, 36, 48	2 x 4 x 1.24"	Class I, Class II	BF	Convection / Forced air
CUS200M	Open-frame	200 - 250	1	12, 18, 24, 36, 48	3 x 5 x 1.34"	Class I	BF	Convection / Forced air
CUS250M	Open-frame	200 - 250	1	12, 15, 18, 24, 28, 36, 48	2 x 4 x 1.56"	Class I, Class II	B/BF	Convection / Forced air
CUS350M	U-Channel	350 - 420	1	12, 18, 24, 36, 48	7.5 x 3.4 x 1.6"	Class I	BF	Convection / Forced air
CUS350MP	Open-frame	350 - 500W (1,000 peak)	1	24, 30, 36, 48	3.46 x 7.2 x 1.73"	Class I	B/BF	Convection / Forced air
CUS400M	Open-frame	400	1	12, 15, 19, 24, 28, 36, 48	3 x 5 x 1.55"	Class I, Class II	B/BF	Convection / Forced air
CUS500M1	Open-frame	300 - 500	1	12, 19, 24, 28, 32, 36, 48	3 x 5 x 1.46"	Class I, Class II	B/BF	Convection / Forced air
CUS600M	Open-frame	600	1	12, 19, 24, 28, 32, 36, 48	3 x 5 x 1.46"	Class I, Class II	B/BF	Convection / Forced air
CUS800M & 1000M	Enclosed - End Fan	680 - 1,000	1	12, 24, 36, 48	3.3 x 6.7 x 1.67"	Class I	B/BF	Forced Air
CUS1500M	Enclosed - End fan	1500	1	12, 15, 24, 36, 48	10.28 x 5 x 2.48"	Class I	BF	Forced air
NV175	Open-frame (configurable)	175 - 180	1 - 5	1.8, 2.7, ±3.3, ±5, ±12, ±15, ±24	3 x 5 x 1.25"	Class I	B	Forced air
NVM175	Open-frame (configurable)	180	1	12, 24	3 x 5 x 1.25"	Class I	BF	Forced air
NV175-M	Open-frame (configurable)	180	1 - 3	±3.3, ±5, ±12, ±15, ±24	3 x 5 x 1.25"	Class I	B	Forced air
EFE300M	Open-frame	300	1	12, 24, 28, 48, 50	3 x 6 x 1.34"	Class I	B	Forced air
NV350	Enclosed - End fan (configurable)	350 - 660	1 - 6	3.3 - 64	10.8 x 3.75 x 1.6"	Class I	B	Forced air
EFE400M	Open-frame	400	1	12, 24, 48	3.5 x 6.5" x 1.34"	Class I	B	Forced air
XMS500A	Open-frame	500	1	12, 24, 36, 48	4 x 7.1 x 1.46"	Class I, Class II	B/BF	Forced air
Vega	Enclosed - End fan (configurable)	450 - 900	1 - 10	0.5 - 62	10.6 x 5 x 2.5"	Class I	B	Forced air
NV700	Enclosed - End fan (configurable)	700 - 1150	1 - 8	3.2 - 64	10.8 x 4.92 x 1.6"	Class I	B	Forced air
RWS1000B/ME	Enclosed - End fan	1000	1	12, 15, 24, 36, 48	7.8 x 5 x 2.48"	Class I	BF	Forced air
QM4	Enclosed - End fan (configurable)	550 - 650	1 - 10	2.8 - 105.6	10.6 x 4.3 x 2.5"	Class I	BF	Forced air
QM5	Enclosed - End fan (configurable)	700 - 1200	1 - 12	2.8 - 105.6	10.6 x 5 x 2.5"	Class I	BF	Forced air
QM7	Enclosed - End fan (configurable)	1200 - 1500	1 - 16	2.8 - 105.6	10.6 x 6.9 x 2.5"	Class I	BF	Forced air
QM8	Enclosed - End fan (configurable)	1200 - 1500	1 - 18	2.8 - 105.6	10.6 x 7.9 x 2.5"	Class I	BF	Forced air
QM8B	Enclosed - End fan (configurable)	1200 - 2000	1 - 18	2.8 - 105.6	10.6 x 7.9 x 2.5"	Class I	BF	Forced air
MU4	Enclosed - End fan (configurable)	600 - 800	1 - 5	3.3 - 104V	3.5 x 10 x 1.6"	Class I	BF	Forced air
QS	Enclosed - End fan	600 - 1,200	1	12, 24, 48	6.92 x 10.63 x 2.50"	Class I	BF	Forced air
RWS1500B/ME	Enclosed - End fan	1500	1	12, 15, 24, 36, 48	10.28 x 5 x 2.48"	Class I	BF	Forced air

External / Desktop Power Supplies



Product Series	Description	Output Power (W)	Outputs	Output Voltages (VDC)	Dimensions (Inches)	Protection Class	B / BF Compliant	Cooling
DTM36-C8	External adapter	25 - 36W	1	5, 9, 12, 13.5, 15, 18, 24, 36, 48	2.36 x 4.17 x 1.22"	Class II	NA	Convection
DTM65-C8	External adapter	40-65	1	5, 12, 15, 19, 24, 28, 48	2.36 x 4.17 x 1.22"	Class II	NA	Convection
DTM65-D	External adapter	40-65	1	5, 12, 15, 18, 24, 36, 48	2.72 x 5.20 x 1.57"	Class I	BF	Convection
DTM70	External adapter	70	1	12, 15, 18, 24, 36, 48V	2.05 x 4.72 x 1.22"	Class I, Class II	B/BF	Convection
DTM110-C8	External adapter	105-110	1	12, 15, 19, 24, 28, 36, 48	2.48 x 5.50 x 1.29"	Class II	NA	Convection
DTM160	External adapter	150 - 160	1	12, 24, 36, 48	2.76 x 5.91 x 1.50"	Class I, Class II	B/BF	Convection
DTM165-C	External adapter	160-165	1	12, 15, 19, 24, 28, 36, 48	3.35 x 6.70 x 1.73"	Class I	B	Convection
DTM250-D	External adapter	250	1	12, 19, 24, 28, 36, 48, 54	3.54 x 7.87 x 1.77"	Class I	BF	Convection
DTM300-D	External adapter	300	1	12, 19, 24, 28, 48, 54	4.40 x 8.75 x 1.77"	Class I / Class II	BF	Convection
WMM30	Wall Mount	25 - 30W	1	5, 9, 12, 15, 18, 24	2.28 x 3.80 x 1.70"	Class II	B/BF	Convection

DC/DC Converters



Product Series	Description	Output Power (W)	Outputs	Output Voltages (VDC)	Dimensions (Inches)	Protection Class	B / BF Compliant	Cooling
PXC-M03 (S)	Enclosed - PCB Mount	3	1	3.3, 5, 12, 15, 24	1.25 x 0.8 x 0.4"	-	-	Convection
PXC-M03 (D)	Enclosed - PCB Mount	3	2	±5, ±12, ±15	1.25 x 0.8 x 0.4"	-	-	Convection
PXC-M06 (S)	Enclosed - PCB Mount	6	1	3.3, 5, 12, 15, 24	1.25 x 0.8 x 0.4"	-	-	Convection
PXC-M06 (D)	Enclosed - PCB Mount	6	2	±5, ±12, ±15	1.25 x 0.8 x 0.4"	-	-	Convection
PXC-M10 (S)	Enclosed - PCB Mount	10	1	3.3, 5, 12, 15, 24	1.25 x 0.8 x 0.4"	-	-	Convection
PXC-M10 (D)	Enclosed - PCB Mount	10	2	±5, ±12, ±15	1.25 x 0.8 x 0.4"	-	-	Convection
PXG-M15 (S)	Enclosed - PCB Mount	15	1	5, 12, 15, 24	1.6 x 1 x 0.4"	-	-	Convection
PXG-M15 (D)	Enclosed - PCB Mount	15	2	±5, ±12, ±15	1.6 x 1 x 0.4"	-	-	Convection
PXG-M20 (S)	Enclosed - PCB Mount	20	1	5, 12, 15, 24	1.6 x 1 x 0.4"	-	-	Convection
PXG-M20 (D)	Enclosed - PCB Mount	20	2	±5, ±12, ±15	1.6 x 1 x 0.4"	-	-	Convection
PXD-M30 (S)	Enclosed - PCB Mount	30	1	5, 12, 15, 24	2 x 1 x 0.4"	-	-	Convection
PXD-M30 (D)	Enclosed - PCB Mount	30	2	±5, ±12, ±15	2 x 1 x 0.4"	-	-	Convection

EMI Filters



Product Series	Description	Input (VAC)	Rated Current (A)	Max Leakage current (μA) @250VAC, 60 Hz	Cooling
RPA/RPE	Inlet	250	3-10	10	Convection
RPE-F	Inlet	250	3-6	10	Convection
RSAL-20	Chassis Mount	250	0.5-6	10	Convection
RSEL-20	Chassis Mount	250	0.5-6	10	Convection
RSAN-20	Chassis Mount, Din rail optional	250	3-30	10	Convection
RSEN-20	Chassis Mount, Din rail optional	250	3-30	10	Convection
RSHN-20	Chassis Mount, Din rail optional	250	3-30	100	Convection
RSMN-20	Chassis Mount, Din rail optional	250	3-30	10	Convection





AC-DC Power Supplies



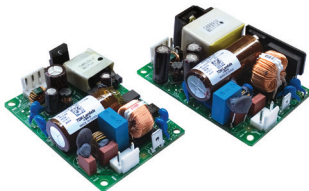
KMS-A Series

[Full Datasheet](#)

<https://product.tdk.com/en/power/kms-a>

15-60W Medical AC-DC PCB-Mount Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ Class II (No ground needed)
- ◆ Wide Temperature Range (-40 to +80°C)
- ◆ Low Off-load Power Draw
- ◆ Smaller Size than KMS
- ◆ High Efficiency



CUS30M & CUS60M Series

[Full Datasheet](#)

https://product.tdk.com/en/power/cus30_60m

30-60W Medical 2" x 3" AC-DC Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ Suitable for BF Rated Equipment
- ◆ Class I and Class II Operation
- ◆ High Efficiency



CUS150M Series

[Full Datasheet](#)

<https://product.tdk.com/en/power/cus-m>

150W Medical 2" x 4" AC-DC Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ 150W Forced air, 120W Convection open frame, 150W Convection U-chassis
- ◆ Operation up to 85°C with customer airflow
- ◆ Class B Conducted and Radiated EMI
- ◆ Long Capacitor Lifetimes
- ◆ Suitable for Class I and Class II Installations
- ◆ Compact 2 x 4 x 1.24" Footprint
- ◆ Suitable for BF Rated Equipment



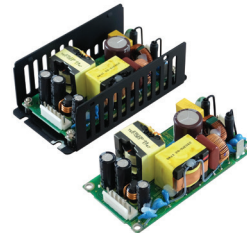
CUT35 Series

[Full Datasheet](#)

<https://product.tdk.com/en/power/cut>

35W Medical 2" x 4" AC-DC Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 3kVAC Input - Output Isolation
- ◆ 2 or 3 Outputs
- ◆ Output 1 Isolated from other Outputs
- ◆ 1.06" Low profile, Industry Standard Footprint
- ◆ Global Safety Agency Compliance



CUS100ME Series

[Full Datasheet](#)

<https://product.tdk.com/en/power/cus-m>

100W Medical 2" x 4" AC-DC Power Supplies

- ◆ Up to 100W Utilizing Convection or Conduction Cooling
- ◆ Operation in Ambient Temperatures of up to 85°C
- ◆ Medical Certifications (2 x MOPP)
- ◆ Suitable for B and BF Type Medical Equipment
- ◆ Class B Conducted and Radiated EMI
- ◆ Suitable for Class I and Class II Installations
- ◆ Enclosure & Cooling Options



CUS200M Series

[Full Datasheet](#)

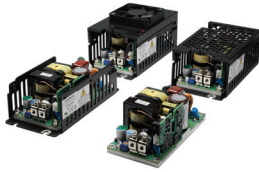
<https://product.tdk.com/en/power/cus-m>

200 to 250W Medical 3" x 5" Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ High Efficiency, up to 94%
- ◆ 200W Convection Cooled Rating
- ◆ Suitable for BF Rated Equipment
- ◆ 5V Standby Output



AC-DC Power Supplies



CUS250M Series

[Full Datasheet](#)
<https://product.tdk.com/en/power/cus-m>

250W Medical 2" x 4" AC-DC Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ 250W Forced air, 200W Convection open frame, 250W Convection U-chassis
- ◆ Operation up to 85°C with customer airflow
- ◆ Class B Conducted & Radiated EMI (with significant margins)
- ◆ Suitable for Class I & Class II Installations
- ◆ Suitable for B & BF Rated Equipment
- ◆ Compact 2 x 4 x 1.56" Footprint
- ◆ Less than 0.5W No Load Consumption



CUS350MP Series

[Full Datasheet](#)
<https://product.tdk.com/en/power/cus350mp>

350/500W Medical (1,000W Peak) Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ 350W Convection, 500W Forced Air Rating (1,000W Peak Power)
- ◆ IEC62477-1 Compliant (OVCIII)
- ◆ Class B Conducted & Radiated EMI
- ◆ 5V/0.3A Standby & Remote On/Off (Standard)
- ◆ High Efficiency, up to 94%
- ◆ Suitable For B and BF Rated Equipment



CUS500M1 Series

[Full Datasheet](#)
<https://product.tdk.com/en/power/cus-m>

3" x 5" Medical AC-DC Power Supplies

- ◆ 500W with Forced Air, 300W (500W peak) Convection
- ◆ Medical Certifications (2 x MOPP)
- ◆ Suitable for B and BF Type Medical Equipment
- ◆ Class B Conducted and Radiated EMI
- ◆ Suitable for Class I and Class II Installations
- ◆ Compact 3 x 5 x 1.46" Footprint
- ◆ Up to 96% Efficiency



CUS350M Series

[Full Datasheet](#)
<https://product.tdk.com/en/power/cus-m>

350W/420W Medical Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ High Efficiency, up to 94%
- ◆ 1.6" High
- ◆ 350W Convection Cooled, 420W Forced Air Rating
- ◆ Suitable for BF Rated Equipment
- ◆ 5V Standby & 12V Fan Output



CUS400M Series

[Full Datasheet](#)
<https://product.tdk.com/en/power/cus-m>

400W Medical 3" x 5" AC-DC Power Supplies

- ◆ 400W with Forced Air, 250W (400W peak) Convection / Conduction Cooled
- ◆ Medical Certifications (2 x MOPP)
- ◆ Suitable for B and BF Type Medical Equipment
- ◆ Class B Conducted and Radiated EMI
- ◆ Suitable for Class I and Class II Installations
- ◆ Compact 3 x 5 x 1.55" Size
- ◆ Enclosure & Signal Options



CUS600M Series

[Full Datasheet](#)
<https://product.tdk.com/en/power/cus-m>

600W 3" x 5" AC-DC Medical Power Supplies

- ◆ 600W with Forced Air, 400W (600W Peak) Convection Cooled
- ◆ Medical Certifications (2 x MOPP)
- ◆ Suitable for B and BF Type Medical Equipment
- ◆ Class B Conducted and Radiated EMI
- ◆ Suitable for Class I and Class II Installations
- ◆ Compact 3 x 5 x 1.46" Size
- ◆ Enclosure & Other Options



AC-DC Power Supplies



CUS800M & 1,000M Series

[Full Datasheet](https://product.tdk.com/en/power/cus-m)
<https://product.tdk.com/en/power/cus-m>

3.3" x 6.7" 680W to 1,000W AC-DC Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ <0.250mA Leakage Current
- ◆ Compact 3.3 x 6.7 x 1.67" Size
- ◆ Suitable for B and BF Rated Equipment
- ◆ Efficiencies Up To 95.5%
- ◆ Cost Effective

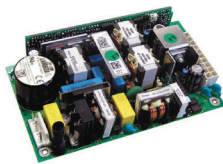


CUS1500M Series

[Full Datasheet](https://product.tdk.com/en/power/cus-m)
<https://product.tdk.com/en/power/cus-m>

1500W Medical Single Output Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ Low Audible Noise (<45dBA)
- ◆ Compact Size
- ◆ Suitable for BF Rated Equipment
- ◆ 7 Year Warranty



NVM175 Series

[Full Datasheet](https://product.tdk.com/en/power/nv)
<https://product.tdk.com/en/power/nv>

180W Medical 3" x 5" Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ Suitable for BF Rated Equipment
- ◆ Reinforced Input to Output Isolation for IEC60601
- ◆ Very Low Earth Leakage and Class B EMC
- ◆ Standby Supply and Remote On/Off
- ◆ High Efficiency (90%) & High Power Density (9.3 W/in3)
- ◆ 1U Form Factor
- ◆ Dual Fusing



NV175 & NV175-M Series

[Full Datasheet](https://product.tdk.com/en/power/nv)
<https://product.tdk.com/en/power/nv>

175-200W Medical 3" x 5" Power Supplies

- ◆ Universal Input (90 - 264VAC)
- ◆ Active Power Factor Correction
- ◆ No Minimum Loads
- ◆ Up to 90% Efficient
- ◆ 1-3 Outputs (NV175-M) ; 1-5 Outputs (NV175)
- ◆ 2 x MOPP Primary - Secondary (NV175-M)
- ◆ 1 x MOPP Primary - Secondary (NV175)
- ◆ 4kVAC Input - Output Isolation (NV175-M)
- ◆ 3kVAC Input - Output Isolation (NV175)



NV350/700 Series

[Full Datasheet](https://product.tdk.com/en/power/nv)
<https://product.tdk.com/en/power/nv>

350W-1150W Medical Modular Power Supplies

- ◆ 2 x MOPP Primary - Secondary (C, CC, CM modules only)
- ◆ 4kVAC Input - Output Isolation (C, CC, CM modules only)
- ◆ 1U Form Factor
- ◆ Up to 90% Efficient
- ◆ Active Power Factor Correction
- ◆ Universal Input (90 - 264VAC)
- ◆ Up to 8 Outputs (6 for the NV350)
- ◆ No Minimum Loads
- ◆ Peak Power Rating of up to 1450W



EFE300M & 400M Series

[Full Datasheet](https://product.tdk.com/en/power/efe)
<https://product.tdk.com/en/power/efe>

300-400W Medical Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ Suitable for BF Rated Equipment
- ◆ ORing FET for Parallel Operation
- ◆ Universal Input (90 - 264VAC)
- ◆ Peak Loading (10s)
- ◆ 1U Form Factor
- ◆ Full Digital Control
- ◆ High Efficiency
- ◆ Low Profile



AC-DC Power Supplies

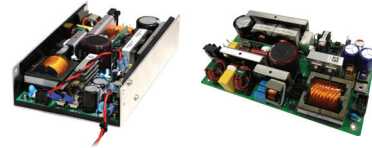


Vega Series

[Full Datasheet](#)
<https://product.tdk.com/en/power/vega>

450-900W Medical, Multiple Output Modular Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ 1-10 Wide Range Outputs with Adjustment
- ◆ Forward/Reverse/Low Noise/System Air Cooling
- ◆ Output Voltages from 0.5V - 62V
- ◆ 48VDC Input Option
- ◆ Medical Approval Options
- ◆ MIL-STD-810 Shock and Vibration
- ◆ PFC Compliant to EN61000-3-2
- ◆ Safety Agency Approvals EN, cULus, BSI, CE



XMS500A Series

[Full Datasheet](#)
<https://product.tdk.com/en/power/xms>

500W Medical & Configurable, Class I or Class II AC-DC Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ High Efficiency up to 92%
- ◆ Suitable for BF Rated Equipment
- ◆ Defibrillator Proof (Suitable For BFD Applications)
- ◆ Class I / II with Level B EMC
- ◆ 1U Form Factor
- ◆ Low Airflow Requirement
- ◆ 5 Year Warranty



QM4/QM5/QM7/QM8 Series

[Full Datasheet QM4](#)
[Full Datasheet QM5](#)
<https://product.tdk.com/en/power/qm>

550 - 2000W Medical, Multiple Output Modular Power Supplies

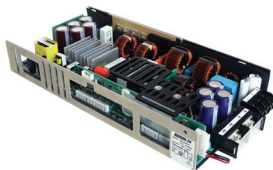
- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ High Efficiency
- ◆ Low Speed, Low Audible Noise Fans
- ◆ Up to 18 Outputs
- ◆ Industry Leading Flexibility
- ◆ 7 Year Warranty
- ◆ Suitable for BF Rated Equipment
- ◆ PMBus™ Communication


[Full Datasheet](#)
<https://product.tdk.com/en/power/mu>

MU4 Series

600 to 800W 1U Modular Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ 1U Height
- ◆ Extremely Low Audible Noise
- ◆ Up to 5 Outputs
- ◆ Intelligent, Patent Pending Fan Control
- ◆ Suitable for BF Rated Equipment
- ◆ PMBus™ Communication
- ◆ Seamless 3.3V - 104V adjustment range
- ◆ 7 Year Warranty



GXE600 Series

[Full Datasheet](#)
<https://product.tdk.com/en/power/gxe>

Single Output 600W Programmable (CV/CC) Medical & ITE Series

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ Suitable for B and BF Rated Applications(?)
- ◆ High Efficiency Up to 95%
- ◆ Convection Cooled
- ◆ Digital Modbus Programming (RTU/RS-485), CV & CC modes
- ◆ Intelligent E-Cap Monitoring to Forecast Remaining Capacitor Lifetime
- ◆ 5V/1A Standby
- ◆ Ruggedization (with PCB coating), U Channel, & Cover Options


[Full Datasheet](#)
<https://product.tdk.com/en/power/qs>

QS Series

600 to 1200W Medical Single Output Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ High Efficiency
- ◆ Low Speed, Low Audible Noise Fans
- ◆ 7 Year Warranty
- ◆ Suitable for BF Rated Equipment
- ◆ Single Fuse & Dual Auxiliary Output Options Available
- ◆ PMBus™ Communication



AC-DC Power Supplies



HWS-/ME Series

[Full Datasheet](https://product.tdk.com/en/power/hws-me)

<https://product.tdk.com/en/power/hws-me>

30 to 1500W Medical Single Output Power Supplies

- ◆ IEC/EN/UL 60601-1 Safety Certification
- ◆ Limited Lifetime Warranty*
- ◆ High Efficiency
- ◆ Broad 30 to 1500W Product Range

*Please reference the following Terms And Conditions:
https://www.us.lambda.tdk.com/pdf/terms_conditions.pdf



RWS-1000/1500-B/ME Series

[Full Datasheet](https://product.tdk.com/en/power/rws-b)

<https://product.tdk.com/en/power/rws-b>

1000-1500W Medical Single Output Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ Cost Effective
- ◆ 7 Year Warranty
- ◆ Suitable for BF Rated Equipment



External / Desktop Power Supplies



DTM36-C8 Series

[Full Datasheet](#)
<https://product.tdk.com/en/power/dtm>

25 to 36W Medical Class II External AC-DC Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ Meets DoE Level VI and EU Tier 2 Efficiency
- ◆ 60601-1 & 60601-1-11 Medical Certifications
- ◆ Designed to Meet IEC60335-1 (Household Appliances)
- ◆ Class II Input
- ◆ < 75mW Off-load Power Draw



DTM65-C8 Series

[Full Datasheet](#)
<https://product.tdk.com/en/power/dtm>

40W to 65W Medical Class II AC-DC External Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ Meets DOE Level VI Efficiency
- ◆ 60601-1 & 60601-1-11 Medical Certifications
- ◆ Class II Input
- ◆ < 0.21W Off-load Power Draw



DTM110-C8 Series

[Full Datasheet](#)
<https://product.tdk.com/en/power/dtm>

90-110W Medical AC-DC External Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ CEC, EISA & ErP Stage 2 Compliant
- ◆ Wide Range AC Input
- ◆ > 87% Average Efficiency



DTM65-D Series

[Full Datasheet](#)
<https://product.tdk.com/en/power/dtm>

40-65W Medical AC-DC External Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ Meets DOE Level VI Efficiency
- ◆ CEC, EISA⁽¹⁾ & ErP Stage 2 Compliant
- ◆ Wide Range AC Input
- ◆ 85% Efficient, >87% Average (12V Models & Above)
- ◆ Suitable for BF Rated Equipment



DTM70 & DTM70-C8 Series

[Full Datasheet](#)
<https://product.tdk.com/en/power/dtm>

70W Medical & ICT Class I and II External AC-DC Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4.4kVAC Input - Output Isolation
- ◆ Meets DOE Level VI Efficiency
- ◆ Average Efficiency Up To 93%
- ◆ IEC60601-1, IEC60601-1-11 (Class II) & IEC62368-1 Compliant
- ◆ IEC60601-1-2 (Ed4) Immunity
- ◆ Class I or Class II (C8) Input Options
- ◆ <0.15W Off-load Power Draw
- ◆ Suitable For B & BF Rated Equipment



DTM160 & DTM160-C8 Series

[Full Datasheet](#)
<https://product.tdk.com/en/power/dtm>

150-160W Medical & ICT Class I and II External AC-DC Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4.4kVAC Input - Output Isolation
- ◆ Meets DOE Level VI Efficiency
- ◆ Average Efficiency Up To 93%
- ◆ IEC60601-1, IEC60601-1-11 (Class II) & IEC62368-1 Compliant
- ◆ IEC60601-1-2 (Ed4) Immunity
- ◆ Class I or Class II (C8) Input Options
- ◆ <0.15W Off-load Power Draw
- ◆ Suitable For B & BF Rated Equipment



External / Desktop Power Supplies



DTM165-C Series

[Full Datasheet](#)

<https://product.tdk.com/en/power/dtm>

160W to 165W Medical AC-DC External Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ CEC, ErP and EISA⁽¹⁾ Level V Compliant Models
- ◆ Wide Range AC Input
- ◆ > 87% Average Efficiency



DTM250-D Series

[Full Datasheet](#)

<https://product.tdk.com/en/power/dtm>

250W Medical AC-DC External Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ Meets DOE Level VI Efficiency
- ◆ < 0.15W Off-load Power Draw
- ◆ Meets IEC60601-1-2 Ed4; 2014
- ◆ Suitable for BF Rated Equipment



DTM300-D Series

[Full Datasheet](#)

<https://product.tdk.com/en/power/dtm>

300W Medical Class I and II External Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ Meets DOE Level VI Efficiency
- ◆ Class I & II Inputs
- ◆ < 0.5W Off-load Power Draw
- ◆ Meets IEC60601-1-2 Ed4; 2014
- ◆ Suitable for BF Rated Equipment



WMM30 Series

[Full Datasheet](#)

<https://product.tdk.com/en/power/wmm>

25 to 30W Medical Wall Mount Power Supplies

- ◆ 2 x MOPP Primary - Secondary
- ◆ 4kVAC Input - Output Isolation
- ◆ Class II Input
- ◆ Meets DoE Level VI and EU Tier 2 Efficiency
- ◆ < 0.075W Off-load Power Draw
- ◆ Suitable for B and BF Rated Equipment



DC-DC Converters



PXC-M03 Series

[Full Datasheet](https://product.tdk.com/en/power/pxc-m)
<https://product.tdk.com/en/power/pxc-m>

3W Medical DC-DC Converters

- ◆ 2 x MOPP Primary - Secondary
- ◆ 5kVAC Input - Output Isolation
- ◆ Industry Standard DIP-24 Package
- ◆ 9-36V or 18-75VDC Input
- ◆ 2.5uA Touch Current
- ◆ Low Off-Load Power Draw



PXC-M06 Series

[Full Datasheet](https://product.tdk.com/en/power/pxc-m)
<https://product.tdk.com/en/power/pxc-m>

6W Medical DC-DC Converters

- ◆ 2 x MOPP Primary - Secondary
- ◆ 5kVAC Input - Output Isolation
- ◆ Industry Standard DIP-24 Package
- ◆ 9-36V or 18-75VDC Input
- ◆ 2.5uA Touch Current
- ◆ Low Off-Load Power Draw



PXC-M10 Series

[Full Datasheet](https://product.tdk.com/en/power/pxc-m)
<https://product.tdk.com/en/power/pxc-m>

10W Medical DC-DC Converters

- ◆ 2 x MOPP Primary - Secondary
- ◆ 5kVAC Input - Output Isolation
- ◆ Industry Standard DIP-24 Package
- ◆ 9-36V or 18-75VDC Input
- ◆ 2.5uA Touch Current
- ◆ Low Off-Load Power Draw



PXG-M15/20 Series

[Full Datasheet](https://product.tdk.com/en/power/pxg-m)
<https://product.tdk.com/en/power/pxg-m>

15-20W Medical DC-DC Converters

- ◆ Wide 4:1 Input Range
- ◆ 1.6" x 1" Industry Package
- ◆ IEC 60601-1 and IEC 62368-1
- ◆ 2 x MOPP Primary - Secondary
- ◆ Low No Load Power Consumption
- ◆ 2.5uA Touch Current



PXD-M30 Series

[Full Datasheet](https://product.tdk.com/en/power/pxd-m)
<https://product.tdk.com/en/power/pxd-m>

30W Medical DC-DC Converters

- ◆ Wide 4:1 Input Range
- ◆ 2" x 1" Industry Package
- ◆ IEC 60601-1 and IEC 62368-1
- ◆ 2 x MOPP Primary - Secondary
- ◆ Low No Load Power Consumption
- ◆ 2.5uA Touch Current



EMI Filters

R Series Filter Selection Guide

Filter Series	Rated Input Voltage	Current Rating	Screw Terminations	"Fast on" Terminals	Wire Lead Terminations	Chassis Mount	Din Rail Mount (Models up to 30A)	Low Leakage Current	High Voltage Pulse Attenuation	Two Stage (Better Performance)	Other
RPA/RPE	250V 1ph	3 to 10A	-	Y	-	Y	-	L Suffix	Y	-	Inlet
RPE-F	250V 1ph	3 to 6A	-	Y	-	Y	-	L Suffix	-	-	Inlet
RSAL	250V 1ph	0.5 to 6A	-	A Suffix	W Suffix	Y	-	L Suffix	Y	-	-
RSEL	250V 1ph	0.5 to 6A	-	A Suffix	W Suffix	Y	-	L Suffix	-	-	Lower Cost than RSAL
RSAN	250V 1ph	3A to 30A	Y	-	-	Y	D Suffix	L Suffix	Y	-	-
RSMN	250V 1ph	3A to 30A	Y	-	-	Y	D Suffix	L Suffix	Y	Y	-
RSEN	250V 1ph	3A to 30A	Y	-	-	Y	D Suffix	L Suffix	-	-	Lower Cost than RSHN
RSHN	250V 1ph	3A to 30A	Y	-	-	Y	D Suffix	L Suffix	-	Y	-



RSAL Series

[Full Datasheet](#)

<https://product.tdk.com/en/power/filters>

0.5A to 6A, 250VAC EMI Filters

- ◆ High Voltage Pulse Attenuation
- ◆ Lug or Wire Terminations
- ◆ Low Earth Leakage Current Option
- ◆ Conforms to UL, CSA and EN Safety Agency Certifications



RSEL Series

[Full Datasheet](#)

<https://product.tdk.com/en/power/filters>

0.5A to 6A, 250VAC EMI Filters

- ◆ Lower cost compared to the RSAL Series
- ◆ Lug or Wire Terminations
- ◆ Low Earth Leakage Current Option
- ◆ Conforms to UL, CSA and EN Safety Agency Certifications



RSAN Series

[Full Datasheet](#)

<https://product.tdk.com/en/power/filters>

3A to 30A, 250VAC EMI Filters

- ◆ High Voltage Pulse Attenuation
- ◆ DIN Rail Mount Option
- ◆ Low Earth Leakage Current Option
- ◆ Conforms to UL, CSA and EN Safety Agency Certifications



RSEN Series

[Full Datasheet](#)

<https://product.tdk.com/en/power/filters>

3A to 30A, 250VAC EMI Filters

- ◆ Lower cost compared to the RSHN Series
- ◆ DIN Rail Mount Option
- ◆ Low Earth Leakage Current Option
- ◆ Conforms to UL, CSA and EN Safety Agency Certifications



EMI Filters

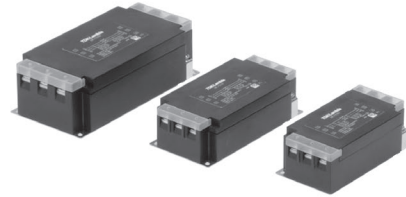

[Full Datasheet](#)

RSHN Series

<https://product.tdk.com/en/power/filters>

3A to 30A, 250VAC EMI Filters

- ◆ Two Stage Filter for Better Performance
- ◆ DIN Rail Mount Option
- ◆ Low Earth Leakage Current Option
- ◆ Conforms to UL, CSA and EN Safety Agency Certifications


[Full Datasheet](#)

RSMN Series

<https://product.tdk.com/en/power/filters>

3A to 30A, 250VAC EMI Filters

- ◆ High Voltage Pulse Attenuation
- ◆ Two Stage Filter for Better Performance
- ◆ DIN Rail Mount Option
- ◆ Low Earth Leakage Current Option
- ◆ Conforms to UL, CSA and EN Safety Agency Certifications


[Full Datasheet](#)

RPA/RPE Series

<https://product.tdk.com/en/power/filters>

Single phase 250Vac 3 to 10A Power Entry Module EMI Filters

- ◆ RPA 3 to 6A / RPE 3 to 10A Current Ratings
- ◆ Panel Mount with IEC320 Inlet
- ◆ Low Earth Leakage and/or Discharge Resistor Options
- ◆ Amorphous Core Technology - RPA Only
- ◆ Safety Certified


[Full Datasheet](#)

RPE-F Series

<https://product.tdk.com/en/power/filters>

Single phase 250Vac 3 to 6A Power Entry Module EMI Filters

- ◆ 3 to 6A Current Ratings
- ◆ Panel Mount with IEC320 Inlet
- ◆ Single Fuse and Dual Fuses Options
- ◆ Low Earth Leakage and/or Discharge Resistor Options
- ◆ Amorphous Core Technology
- ◆ Safety Certified



Capabilities

- ◆ Modified Standard Power Supply
- ◆ Value-Added Solutions
- ◆ Power System Design

Features

- ◆ Low risk, using standard products as building blocks
- ◆ Low development cost
- ◆ Fast turnaround from design to production
- ◆ Proven DVT processes
- ◆ Compliance Testing (Safety, EMC, Environment, etc.)
- ◆ Low cost manufacturing in Asia



i6A4W Series



CUS100ME Series



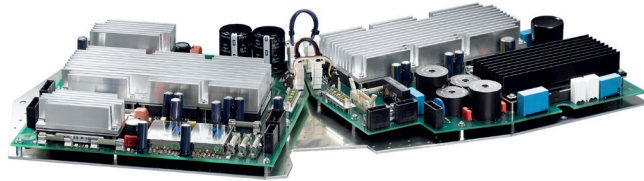
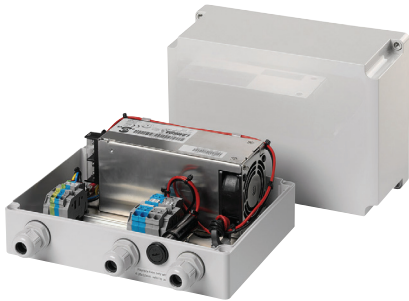
QM4 Series

Modified Standard

- ◆ Modifications (electrical or mechanical) to a Standard / Existing TDK-Lambda product.
- ◆ The product retains the inherent reliability of the product from which it was modified.
- ◆ Examples include Input/Output connector, signal, output voltage, color changes, conformal coating, firmware change, reduced leakage current, addition of test points or indicator lights, etc.

Value-Add

- ◆ A customized power solution adding enhanced circuitry or packaging around a Standard/ Existing TDK-Lambda Power Supply to meet customer's specifications.
- ◆ Any TDK-Lambda supply may be used as a starting point and these customized solutions also retain the proven reliability of the product from which it was modified.
- ◆ Examples include custom racks or enclosures, communications/control, ruggedization, special wire harnesses, switches, fuses, fans, heat sinks, and other additional functionality to a standard product.



Powering Critical Applications!



Customer Satisfaction

Our value is optimized as we become an intrinsic part of our customers' total power solution, from extensive design-in support, production volume through scale and cost reduction, to end of life strategies. Our role enables our customers to achieve a clear competitive advantage.

Our motivation is our customers' complete satisfaction.



We're Here to Help!



Want Engineering Support?

- ◆ Please call 1-800-LAMBDA-4 (1-800-526-2324) to speak to our inside technical support team, or email tla.powersolutions@tdk.com
- ◆ TDK-Lambda's Field Application Engineers are available for in-depth advice at your facility. Please contact your local TDK-Lambda salesperson to schedule a visit.

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